INTERNATIONAL SEARCH REPORT

International application No.

		PCT/	JP2004/005036	
Λ. CLASSIFI Int.Cl	ICATION OF SUBJECT MATTER L' H01L21/205, H01L21/31			
	nternational Patent Classification (IPC) or to both nation	onal classification and IPC		
B. FIELDS SI				
Minimum docur Int.Cl	nientation searched (classification system followed by 6 H01L21/205, H01L21/31	classification symbols)		
Documentation .	searched other than minimum documentation to the ex-			
Kokai J	Fitsuyo Shinan Koho 1971-2004 J	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	o 1994-2004 o 1996-2004	
Electronic data t	base consulted during the international search (name of	f data base and, where practicable, sear	inat such documents are included in the fields searched ku Jitsuyo Shinan Koho 1994–2004 alwo Shinan Toroku Koho 1996–2004 base and, where practicable, search terms used) briate, of the relevant passages Relevant to claim No. Ltd.), 1–2,6,19,25 26 ctd.), 1–2,6,19,25 ctd.), 1–2,6,19,25 date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family et of mailing of the international search report 27 July, 2004 (27.07.04) horized officer	
	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a		Relevant to claim No.	
Y . A	JP 9-186112 A (Tokyo Electro 15 July, 1997 (15.07.97), Figs. 2 to 5 (Family: none)	on Ltd.),	The state of the s	
Y	JP 9-045624 A (Tokyo Electro 14 February, 1997 (14.02.97) Fig. 1 & US 5958140 A	on Ltd.),	1-2,6,19,25	
Y Y	JP 5-299369 A (Tokyo Electro 12 November, 1993 (12.11.93), Par. No. [0053] Par. No. [0031] & US 5429498 A & US & US 5662469 A	on Ltd.), , ; ; 5651670 A		
	<u> </u>		·	
	cuments are listed in the continuation of Box C.	See patent family annex.		
"A" document de to be of partic	to be of particular relevance date of the art which is not considered date and not in conflict with the application but cited to understand the principle or theory underlying the investigation.			
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
cited to establish the publication date of another citation or other special reason (as specified) document referring to;an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
		ce ubcoment member of the same pare	ent family	
08 July	completion of the international search (, 2004 (08.07.04)	Date of mailing of the international s 27 July, 2004 (27	earch report	
	g address of the ISA/ ee Patent Office	Authorized officer		
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International application No.

). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevan	t passages	Relevant to claim N	
Y Y A	JP 5-267309 A (NGK Insulators, Ltd.), 15 October, 1993 (15.10.93), Figs. 1 to 2 (Family: none) JP 6-260430 A (Kabushiki Kaisha Eiko), 16 September, 1994 (16.09.94), Full text Par. No. [0027]		1,25 9,15,25	
	(Family: none)		22	
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